

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
28 August 2003 (28.08.2003)

PCT

(10) International Publication Number
WO 03/070350 A1

(51) International Patent Classification⁷: **B01D 17/05**

(21) International Application Number: PCT/TB03/00605

(22) International Filing Date: 19 February 2003 (19.02.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

TT/A/2002/00021

20 February 2002 (20.02.2002) TT

TT/A/2002/00032

5 March 2002 (05.03.2002) TT

(71) Applicant (for all designated States except US): **HYDRO-CARB (TRINIDAD) LIMITED** [TT/TT]; Guapo Road, Fyzabad (TT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **NICHOLAS, Dolly** [TT/TT]; 15 Hillcrest Drive, Battoo lands, Marabella (TT).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: EMULSION AND EFFLUENT TREATMENT PROCESSES

(57) Abstract: An emulsion and affluent process which treats and breaks very tight emulsions and separates dissolved solids from associated fluids produced in industry, whereby solids and fluids are separated into clean interfacial phases thus providing an improved quality saleable product resulting in significant reductions in base sediments and water, and compliance with international saleable product and environmental effluent standards with a specific focus on biological oxygen demand and chemical oxygen demand levels for treated fluids.

WO 03/070350 A1